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ATTORNEY DOCKET NO. CONFIRMATION NO. FIRST NAMED INVENTOR APPLICATION NO. FILING DATE 33379US1 8546 10/085,347 02/27/2002 Sunyu Su **EXAMINER** 116 03/28/2006 7590 PEARNE & GORDON LLP MANTIS MERCADER, ELENI M 1801 EAST 9TH STREET ART UNIT PAPER NUMBER **SUITE 1200**

3737
DATE MAILED: 03/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Θ	
	Application No.	Applicant(s)	
Office Action Summary	10/085,347	SU ET AL.	
	Examiner	Art Unit	,,,,,,,
	Eleni Mantis Mercader	3737	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet w	rith the correspondence addres	is
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUN' 36(a). In no event, however, may a will apply and will expire SIX (6) MO e, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this commu BANDONED (35 U.S.C. § 133).	
Status		·	
1)⊠ Responsive to communication(s) filed on <u>27 D</u>	ecember 2005.		• •
	action is non-final.		
3) Since this application is in condition for allowa closed in accordance with the practice under <i>B</i>	nce except for formal ma	·	erits is
Disposition of Claims			
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application	l .		
4a) Of the above claim(s) is/are withdra	•		
5) Claim(s) is/are allowed.			•
6)⊠ Claim(s) <u>1-20</u> is/are rejected.		•	
7) Claim(s) is/are objected to.		•	
8) Claim(s) are subject to restriction and/o	or election requirement.		
Application Papers			
9) The specification is objected to by the Examine	er.		
10) The drawing(s) filed on is/are: a) acc	cepted or b) objected to	by the Examiner.	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correc	tion is required if the drawing	g(s) is objected to. See 37 CFR 1	.121(d).
11) ☐ The oath or declaration is objected to by the Ex	xaminer. Note the attache	ed Office Action or form PTO-1	152.
Priority under 35 U.S.C. § 119			
•	n nriarity under 25 H.C.C.	S 110(a) (d) as (f)	4
12) Acknowledgment is made of a claim for foreigna) All b) Some * c) None of:	i priority under 35 U.S.C.	9 119(a)-(d) or (1).	
1. Certified copies of the priority document	ts have been received		
Certified copies of the priority document Certified copies of the priority document		Application No.	
3. Copies of the certified copies of the prior			ne.
application from the International Burea	*	Treceived in this Hattorial Sta	
* See the attached detailed Office action for a list		t received.	
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	•	· ,	
•			
Attachment(s)			
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 		(s)/Mail Date Informal Patent Application (PTO-15)	2)
Paper No(s)/Mail Date	6) Other:	·	

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments, with respect to the rejection(s) of claim(s) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn after consultation with SPE regarding the case law cited and a new rejection issued.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 6,493,572 to Su et al.'572.

Su et al. '572 disclose an inherently de-coupled sandwiched solenoidal array coil. The array contains a first coil having a null B sub 1 point and a quasi one peak sensitivity profile, and a second coil oriented with respect to the first coil in a manner that reduces coupling. Several orientations of coils are presented, including overlapping and cascading configurations. The first coil has two sections in which the sections have a different number of turns and the second section has a counter rotational orientation with respect to the first section (column 3, lines 47-65; column 6, lines 38-67; column 7, lines 1-57; column 8, lines 1-15 and 55-67; column 9, lines 4-43; figures 1-8).

Su et al.'572 does not explicitly teach a single peak. However, it would have been obvious to one skilled in the art at the time that the invention was made that the difference

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between a single peak and the two peaks or multiple peaks of the prior art is a difference of degree rather than kind. Any differences between the claimed invention and the prior art may be expected to result in some differences in properties. The issue is whether the properties differ to such an extent that the difference is really unexpected. In re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986) (differences in sedative and anticholinergic effects between prior art and claimed antidepressants were not unexpected).

Furthermore, the alternative coil configurations are well known functional equivalents.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eleni Mantis Mercader whose telephone number is (571) 272-4740. The examiner can normally be reached on Mon. - Fri., 8:00 a.m.-6:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on (571) 272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eleni Mantis Mercader Primary Examiner

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